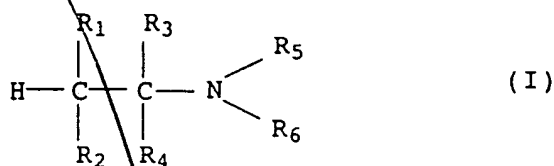


Add new claims 26-34 as follows:

7.126

14.
26.

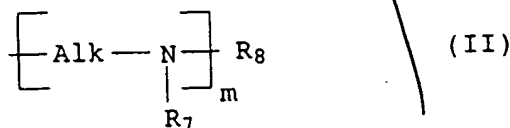
A polyalkene amine which is substantially free of halides and has the formula (I)



where

R₁, R₂, R₃ and R₄, independently of one another, are each hydrogen or an unsubstituted or substituted, saturated or mono- or polyunsaturated aliphatic radical having a number-average molecular weight of up to 40000, at least one of the radicals R₁ to R₄ having a number average molecular weight of from 150 to 40000, and

R₅ and R₆, independently of one another, are each hydrogen, alkyl, cycloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, aryl, arylalkyl, alkylaryl, hetaryl or an alkyleneimine radical of the formula (II)



where

Q2 cont.
Alk is a straight-chain or branched alkylene,

m is an integer from 0 to 10, and

R₇ and R₈, independently of one another, are each hydrogen, alkyl, cycloalkyl, hydroxyalkyl, aminoalkyl, alkenyl, alkynyl, aryl, arylalkyl, alkylaryl or hetaryl or, together with the nitrogen atom to which they are bonded, form a heterocyclic structure,

b1
or R₅ and R₆, together with the nitrogen atom to which they are bonded, form a heterocyclic structure, it being possible for each of the radicals R₅, R₆, R₇ and R₈ to be substituted by further alkyl radicals carrying hydroxyl or amino groups.

R.124 15. 27. A polyalkene amine as defined in claim 26, of the general formula (IV), whose polyalkene portion is formed of C₂-C₄ alkene monomers.

R.124 16. 28. A polyalkene amine as defined in claim 27, wherein the C₂-C₄ alkene is 1-butene or isobutene.

R.124 17. 29. A polyalkene amine as defined in claim 26, which is derived from a reactive polyalkene with a high proportion of terminal double bonds.

R.124 18. 30. A polyalkene amine as defined in claim 26, wherein the amine portion is derived from a nitrogen compound of formula (V).

b2
R.124 19. 31. A polyalkene amine as defined in claim 30, wherein the nitrogen compound is selected from ammonia, ethylene-1,2-diamine, propylene-1,2-diamine, propylene-1,3-diamine, butylene diamines, the mono-, di- and trialkyl derivatives of said